

Kiers, Roger

From: Fuchs, Steve
Sent: Tuesday, September 21, 2010 3:55 PM
To: Kiers, Roger
Cc: Holstine, Craig; Williams, Scott; Sawyer, Jeff; Schueler, JoAnn; Reyes, Rafael; Wakjira, Kano; Lewis, Ron
Subject: RE: Response to 08-16-10 demolition plans
Attachments: 2010.09.01 NMFS BO.PDF; Demolition Concept.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Roger,

I have reviewed Mr. Krier's letter regarding our demolition plans. Mr. Krier is correct that there was an error in the vertical axis. We have modified this sheet to address Mr. Krier's comment and it is attached to this email.

We increased the height of the Aqua Dam and did not change the wetted perimeter. The existing ground elevation along the river channel is shown as surveyed in the field. The Hydraulic Analysis Report provided low flow conditions for the river from August 1st through the end of October at elevation 114.9 to 114.2. We used this information to determine the water surface elevation in the constricted channel (elevation 116) utilizing the Aqua Dam. Therefore the demolition plans are accurate with respect to the wetted perimeter and the placement of the falsework. We do not have a plan view for the horizontal placement of the Aqua Dam. Rather, our biologists provided the conceptual design based on the thalweg of the river being located along the right bank. Therefore the Aqua Dam will start near the left bank upstream of the bridge and will converge on the right bank to form the channel constriction as shown on the plans.

Normally our Bridge Office uses a value between \$25-\$40 per square foot for demolition of a bridge. Due to the extensive falsework, containment, pier removal, Aqua Dam, and turbidity curtain, they chose to use \$60 per square foot, thus we are using \$500,000 in our estimate.

We prepared Biological Assessments for both the US Fish & Wildlife Service (USFWS) and the National Marine Fisheries Service (NMFS). We recently received the Biological Opinion (BO) from NMFS based upon our current design and I have attached a copy of the opinion to this email. We have not yet received the BO from USFWS. WSDOT biologists have been in contact with all of the permitting agencies as well as the Puyallup Tribe and have not received any negative feedback on the proposed design.

Let me know if you have any questions.

Steve Fuchs
Project Manager
WSDOT
T: 360-570-6664
F: 360-570-6661

From: Kiers, Roger
Sent: Tuesday, August 31, 2010 8:10 AM
To: Fuchs, Steve; Sawyer, Jeff
Cc: Holstine, Craig; Williams, Scott
Subject: FW: Response to 08-16-10 demolition plans

Steve and Jeff,

Please see the attached letter from Bob Krier, which raises some questions about the McMillin Bridge demolition plans and associated costs.

Roger Kiers

Cultural Resources Specialist - Archaeologist

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From: Robert H Krier [\[mailto:neonbob@juno.com\]](mailto:neonbob@juno.com)

Sent: Monday, August 30, 2010 9:34 PM

To: Kiers, Roger

Subject: Response to 08-16-10 demolition plans

Attached, for your consideration and distribution.

*** eSafel scanned this email for malicious content ***

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